

Tyler, Texas Translator

Heart of Tyler

REFERENCE 32 19 50 N CH# 259D - 99.7 MHz, Pwr= 0.105 kW, HAAT=72.5 M, COR= 217 M DISPLAY DATES
 95 19 45 W Ave. F(50-10) 40 dBu= 29.5 54 dBu= 12.5 80 dBu= 2.8 100 dBu= .7 DATA 05-17-02
 SEARCH 05-17-02

CH CITY	CALL	TYPE STATE	AZI. <--	DI ST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	COR(M) INT(km)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
257C2 White Oak > Reference	*KIXK.C TX HAAT at	CP ZCX TX	48.6 228.6 48.6°= 75.8 M,	43.41 BMPH20020322AAI Pwr= 0.105 kW,	32 35 17 94 58 53 Pro. Di st. = 9.11 km,	34.000 172 = 9.11 km,	279 5.8 Int Di st. = 0.72 km	51.4 Reynolds Radio, Inc.	28.54	-8.68<
257C2 White Oak > Reference	*ALLO TX HAAT at	RSV TX	66.3 246.3 66.3°= 71.4 M,	49.67 RM9991 Pwr= 0.105 kW,	32 30 32 94 50 41 Pro. Di st. = 8.84 km,	50.000 -94 = 8.84 km,	0 2.7 Int Di st. = 0.72 km	26.5	38.15	22.44
260A Mi neola > Reference	*KMOOFM« TX HAAT at	LIC C TX	335.7 155.7 335.7°= 68.7 M,	51.23 BLH19990513KE Pwr= 0.105 kW,	32 45 04 95 33 18 Pro. Di st. = 8.67 km,	6.000 95 = 8.67 km,	214 42.7 Int Di st. = 12.2 km	27.6 Kmo, Incorporated	-0.17<	11.38
259A Sul phur Bl uff	ALLO TX	VAC TX	357.6 177.6	116.95 RM9712	33 23 03 95 22 59	6.000 100	0 86.7	28.3	21.38	59.18
260A Mount Enterpri se	KTEZ.C TX	CP CN TX	123.6 303.6	68.14 BPH19970403MD	31 59 26 94 43 39	4.600 113	244 43.3	28.2 Bal dridge-dumas Communi cat	15.96	27.46
206C2 Pale sti ne	KYFP TX	LIC DC TX	225.3 45.3	51.59 BLED20000605AOF	32 00 13 95 43 06	25.000 128	262 0.0	43.1 Bi ble Broadcas ting Networ	11.8R	39.8M
259C2 Shreveport	KMJJFM LA	LIC CN LA	77.7 257.7	149.46 BMLH19951208KB	32 36 27 93 46 24	50.000 141	195 136.5	51.0 Cumulus Li censing Corp.	4.07	69.02
262A Tatum	KXALFM TX	LIC C TX	85.7 265.7	71.49 BLH19990816KC	32 22 37 94 34 18	2.450 158	251 2.5	28.3 Hunt Broadcas ting, Inc.	60.10	42.52
258C Fort Worth	KPLX TX	LIC CN TX	280.7 100.7	157.28 BMLH19850211KR	32 34 54 96 58 32	100.000 511	704 130.6	87.4 Kpl x Li co, Inc.	17.81	57.40
257C2 Lin den	KIXK TX	LIC C TX	35.9 215.9	108.85 BLH20001116AAS	33 07 22 94 38 37	50.000 150	260 6.0	52.2 Reynolds Radio, Inc.	93.98	55.94
256C3 Fair fi el d	KNES TX	LIC C TX	222.4 42.4	97.30 BLH20001222AAC	31 40 55 96 01 22	11.500 147	261 3.9	39.0 J & J Communi cations, Inc.	84.48	57.54
261C2 Lufki n	KUEZ TX	LIC C TX	152.4 332.4	115.42 BMLH20011009ABF	31 24 28 94 45 53	25.000 213	296 5.8	52.2 Stephen W. Yates	100.70	62.53
261L1 Pale sti ne	AP261 TX	APP TX	203.6 23.6	67.56 BNPL20010615AAW	31 46 21 95 36 59	0.000 0	0 0.0	0.0 St. Luke Educational Assoc	58.65	66.84
262C Dal las	KRBV TX	LIC CN TX	280.9 100.9	156.16 BLH19970918KD	32 35 05 96 57 46	100.000 439	629 12.0	82.6 Infi ni ty Broadcas ting Cor	135.22	72.81
262C Dal las	KRBV.C TX	CP CX TX	280.9 100.9	156.16 BMPH20010404AAP	32 35 05 96 57 46	100.000 555	746 13.1	89.9 Infi ni ty Broadcas ting Cor	134.12	65.54
262C Dal las	KRBV.C TX	CP CY TX	280.9 100.9	156.16 BPH20000630AAJ	32 35 05 96 57 46	100.000 543	733 13.0	89.3 Infi ni ty Broadcas ting Cor	134.26	66.18

"*" = ERP and HAAT on direct line to and from reference station.

"«" = Station meets FCC minimum distance spacing for its class. "<" = Contour Overlap

HOW TO READ THE FM COMPUTER PRINT-OUT

The computer printout should be self-explanatory for the most part. The parameters of the station being checked, (reference station) are printed in the heading. The 60 dBu protected contour is predicted from the Commission's F(50-50) table, while the 40, 54, 80 and 100 dBu contours are interference contours derived from the Commission's F(50-10) table. Contour distances are in kilometers and are predicted using spline interpolation from data points identical to those published in Report No. RS 76-01 by Gary C. Kalagian. Critical contour distances are determined using the Commission's TVFMINT FORTRAN subroutine. When interference contour distances are less than 16 kilometers the F(50-50) tables are used. If signal contour distances are less than 1.6 km the free-space equation is used.

The column listed "*** IN ***" is the sum of the reference station's 60 dBu protected contour and the data file station's interference contour subtracted from the distance between the stations. (All distances are derived by the method detailed in Sec. 73.208 of the Rules and Regulations as amended in Docket 80-90.) Therefore, the column is a measure of incoming interference. Negative distances in this column indicate the presence of interference. Listed antenna heights are the average heights of eight standard radials as found in the Commission's records unless otherwise noted, in which case the specific antenna heights and the DA power, if applicable, along the straight line azimuths between the reference station and the database station are used and visa versa. The column labeled "*** OUT ***" shows the distance in kilometers of overlap or clearance between the reference station's interference contour and the database station's protected contour. Negative distance figures in this column indicate outgoing overlap interference.

Under the "AZIMUTH" column, the first row of numbers indicate the bearings from True North of the data base stations in relationship with the reference station, while the numbers in the second row indicate the reverse bearings from the database station to the reference station.

The columns labeled "INT" and "PRO" hold the distance in kilometers of the appropriate interference contour and the protected contour of a data base station.

For I.F. relationships the "IN" and "OUT" columns change their significance. The letter "R" stands for the minimum **required** distance in kilometers, while the letter "M" in the next column follows the **available clear space** separation in kilometers. Minimum separation distances when displayed are taken from Sec 73.207 of the rules as amended. Canadian and Mexican separation distances, U/D ratios and protected contour values are from the US/Mexican Working Agreement and the US/Canada Working Agreement".

The first three letters of the "TYPE" column identify the current FCC status of the stations. The fourth letter will be a "D" or "Z" (Sec. 73.215) if the facility is directional. The fifth letter will be an E, H or V depending on the type of antenna polarization. The sixth letter will be a "Y" if the antenna uses beam tilt.

Tyler Translator

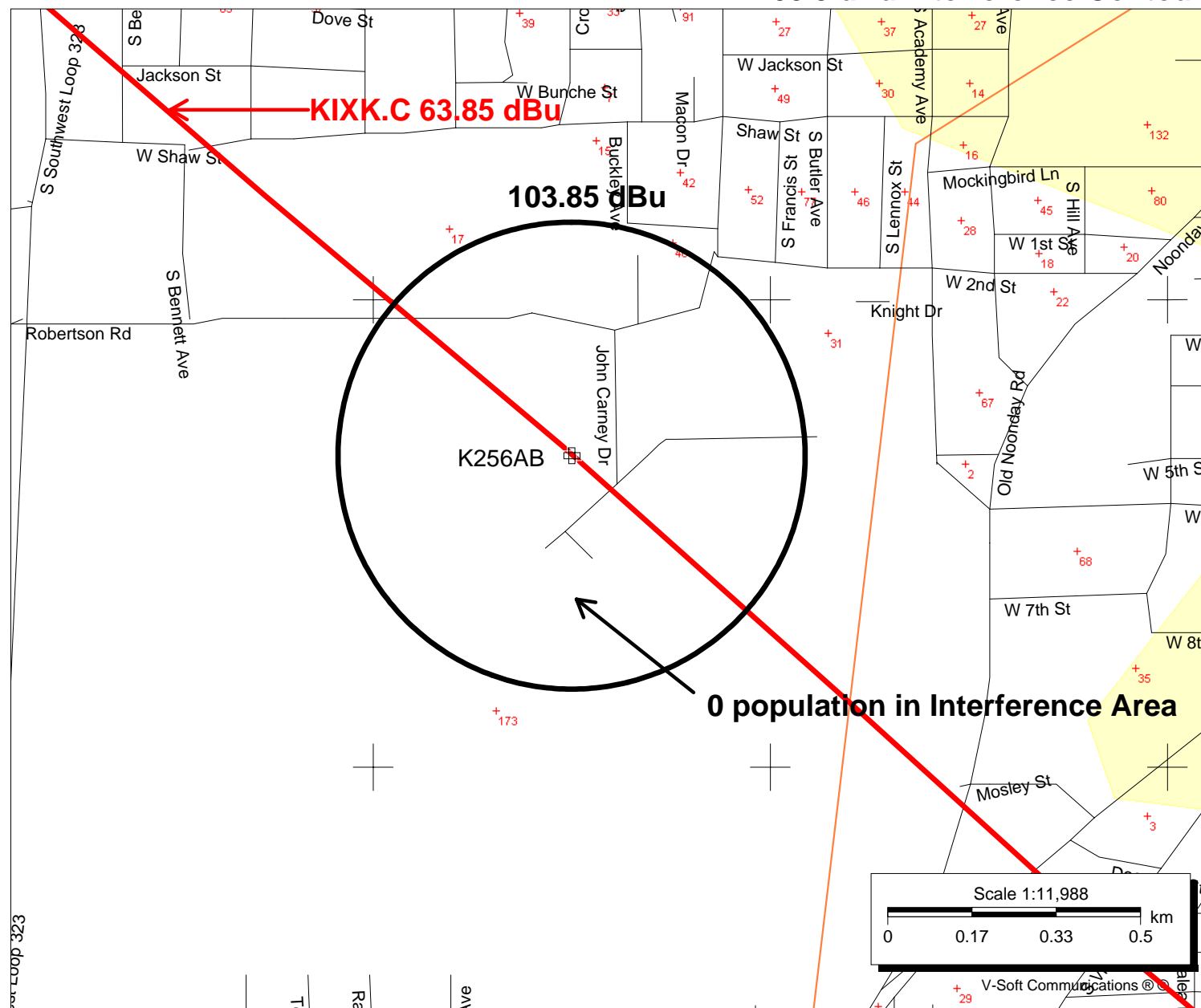
Minor Change to
BLFT19930309TA
Latitude: 32-19-50 N
Longitude: 095-19-45 W
Power: 0.105 kW
Channel: 259
Frequency: 99.7 MHz
AMSL Height: 217.1 m
Elevation: 175.8 m
Horiz. Pattern: Omni
Vert. Pattern: No

KIXK.C

BMPH20020322AAI
Latitude: 32-35-17 N
Longitude: 094-58-53 W
ERP: 34.00 kW
Channel: 257
Frequency: 99.3 MHz
AMSL Height: 279.0 m
Elevation: 123.67 m
Horiz. Pattern: Omni
Vert. Pattern: No

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103.9 dBu Interference Contour



Doug Vernier Telecommunications Consultants
K256AB, Heart of Tyler, Inc. Proposed Interference Contour
ERP = .105 kW
Channel = 259

Azimuth Deg. T.	Ave. Elev. 3 to 16 km Meters AMSL	Effective Antenna Height Meters AAT	ERP (dBk)	F(50-10) Distance to 103.85 dBu Contour km
0	149.0	68.1	-9.788	.46
30	157.4	59.7	-9.788	.46
60	147.4	69.7	-9.788	.46
90	155.8	61.3	-9.788	.46
120	149.9	67.2	-9.788	.46
150	152.1	65.0	-9.788	.46
180	139.6	77.5	-9.788	.46
210	141.5	75.6	-9.788	.46
240	126.9	90.2	-9.788	.46
270	131.3	85.8	-9.788	.46
300	140.9	76.2	-9.788	.46
330	143.1	74.0	-9.788	.46
Ave. =	144.6 M	72.5 M		

Antenna Radiation Center AMSL = 217.1
NGDC 30 Arc Sec.

Geographic Coordinates:

N. Lat. 32 19 50
W. Lng. 95 19 45

Doug Vernier Telecommunications Consultants Population Report

Contour Parameters:

Type: FCC Contour

F(50-10) Cutoff: 103.85 dBu

Population Database: 2000 US Census (SF1)

Primary Terrain: V-Soft 30 Second US Database

Secondary Terrain: V-Soft US 3 Arc-Second Database

Transmitter Information:

Call Letters: K256AB

File Number: BLFT19930309TA

Latitude: 32-19-50 N

Longitude: 095-19-45 W

ERP: 0.105 kW

EIRP: 0.1722 kW

Channel: 259

Frequency: 99.7 MHz

AMSL Height: 217.17 m

Elevation: 175.87 m

Horiz. Antenna Pattern: Omni

Vert. Elevation Pattern: No

Total Population Within Contour: 0

Total Housing Units Within Contour: 0

Total Area Within Contour: 0.67 sq. km